

Further particulars concerning these fellowships may be obtained by addressing the Chairman, Board of Medical Fellowships, National Research Council, 1701 Massachusetts Avenue, Washington, D. C.

SCIENTIFIC NOTES AND NEWS

THE men's dormitory that is being built by the board of athletic control of Stanford University out of income from the stadium as a gift to the university will be given the name Branner Hall, to commemorate the services to Stanford University and the sympathetic interest in student affairs of the late John Casper Branner, pioneer member of the faculty, first head of the geology department and second president of the university.

At a recent meeting of the board of curators of the University of Missouri, the name of the biology building which houses the departments of zoology and botany was changed to Lefevre Hall in honor of the late Professor George Lefevre's labors for the university, aside from his porated in the board's action: "Professor Lefevre's labors for the university, aside from his connection with this building, merit such a memorial. But there is further justification for thus honoring his memory; the biology building is his creation more than that of any other man. During its construction the architects, the administrative officers of the university and his associates in the department of zoology alike acknowledged a leadership culminating in a laboratory that continually excites admiration for its beauty, its convenience and its effectiveness in meeting the needs of the departments of botany and zoology."

THE funeral of the late Arthur Gordon Webster at the chapel of the Massachusetts Crematory Society was attended by Dr. Charles W. Eliot, president emeritus of Harvard University, and nearly a hundred professors from Harvard University, the Institute of Technology and Clark University. The pall bearers were Dr. G. Stanley Hall, president emeritus of Clark University; Dr. Ira N. Hollis, president of Worcester Polytechnic Institute; Dr. William E. Story, former professor of mathematics at Clark and Harry Worcester Smith,

all of Worcester; Dr. Michael I. Pupin, of Columbia University; Dr. Philip Kilroy, of Springfield; President S. W. Stratton, of the Massachusetts Institute of Technology, and Professors Edwin H. Hall, Charles R. Lanman and George F. Moore, of Harvard University.

DR. FRANK J. MONAGHAN has been appointed commissioner of health for New York City, succeeding Dr. Royal S. Copeland, elected to the United States Senate. Dr. Monaghan has been sanitary superintendent of the city for the past five years.

DR. OLIVER BOWLES, mineral technologist of the Bureau of Mines, has been designated by the secretary of the interior as superintendent of the new mining experiment station of the bureau to be established at Rutgers College, New Brunswick, New Jersey, which will specialize in problems involved in the production and utilization of the various non-metallic minerals. Dr. Bowles will enter upon his new work on July 1.

DR. GEORGE W. HOOVER, for the past nine years chief of the Chicago district of the U. S. Department of Agriculture, has been appointed chemist in charge of the drug control of the United States.

At a banquet of the Chicago Section of the American Chemical Society on May 25, the Willard Gibbs Medal was presented to Professor Julius Stieglitz, of the University of Chicago, in recognition of his research work on molecular rearrangement and his interpretation of univalent nitrogen. The medal was presented by its founder, Mr. W. A. Converse.

IN commemoration of his eightieth birthday, a dinner was given on May 3, to Dr. Henry M. Hurd, professor of psychiatry in the Johns Hopkins Medical School.

A BANQUET was given on May 28 in honor of Professor Filibert Roth, for twenty years a member of the forestry department of the University of Michigan, by the foresters of the state. Among the speakers were Dean F. F. Moon, of the New York State College of Forestry; Professor Ralph S. Hosmer, of Cornell University, and President Marion L. Burton.

A PRIZE medal has been endowed in honor of Professor Hans Horst Meyer, of Vienna. It is

to be awarded every five years for distinguished work in the domain of theoretical medicine. It was presented for the first time to Professor Meyer himself on the occasion of his recent sixtieth birthday.

DR. HENRY KRAEMER, Mount Clemens, Michigan, has been elected an honorary member of The Pharmaceutical Society of Great Britain.

At the spring meeting of the Association of Virginia Biologists, held at the College of William and Mary on April 27, the Virginia Academy of Science was organized. Dr. I. F. Lewis, of the University of Virginia, was elected president and Dr. E. C. L. Miller, of the Medical College of Virginia, secretary-treasurer. In response to an announcement of the proposed organization sent out before the meeting, more than one hundred and fifty have signified their intention of becoming members of the new academy. The next meeting of the academy will be held at Washington and Lee University, Lexington, Virginia, during the first week in May, 1924.

HARRIS J. RYAN, professor of electrical engineering at Stanford University, California, was elected president of the American Institute of Electrical Engineers at the annual business meeting on May 18. Vice-presidents elected were: H. E. Bussey, Atlanta; S. E. M. Henderson, Toronto; William F. James, Philadelphia; J. E. Macdonald, Los Angeles; Herbert S. Sands, Denver. The annual report of the board of directors presented at the meeting showed a net increase in the membership during the year of 1,035, the total membership on April 30 being 15,298.

DR. PAYSON CLARK, of Boston, was elected president of the American Laryngological Association at their forty-fifth convention held at Boston on May 19.

PROFESSOR GEORGE H. SHEPARD, member of the American Society of Mining Engineers and professor of industrial engineering and management at Purdue University, has been appointed to succeed Frank B. Gilbreth as chairman of the committee on fatigue elimination of the Society of Industrial Engineers.

DR. A. E. JENKS, professor of anthropology and director of the Americanization Training

Course of the University of Minnesota, has been appointed chairman of the division of anthropology and psychology of the National Research Council for the year 1923-24. Dr. and Mrs. Jenks will move to Washington on September 1. During the summer Professor Jenks will give two courses of lectures in the department of education in the summer session of the University of California (Southern Division) in Los Angeles.

PROFESSOR W. A. NOYES, head of the department of chemistry at the University of Illinois, has been granted a year's leave of absence which he is planning to spend in Europe. Professor Noyes is a delegate of the National Research Council to the International Union of Pure and Applied Chemistry, meeting in Cambridge from June 17 to 24, and a delegate of the American Association for the Advancement of Science to the British Association meeting in Liverpool in September. He will also attend a conference of the Faraday Society on the subject of atomic structure which will be held in Cambridge in July.

MEMBERS of the Williams Galapagos Expedition, including Dr. William Morton Wheeler, of the Bussey Institution of Harvard University, and Dr. William Beebe, leader of the expedition, arrived in New York on the steam yacht *Nona* last week, after a ten-week cruise among the Galapagos Islands, off the coast of Ecuador.

DR. A. B. STOUT, of the New York Botanical Garden, who has been in residence at Pomona College during the year, has been making a study of the citrus industry and also of the date and avocado culture. Dr. Stout has been asked by the United States Department of Agriculture to return to Southern California next year to continue this special research work under government direction.

CHARLES W. GILMORE, paleontologist, of the United States National Museum, has left Washington to superintend the unearthing of the fossil remains of a dinosaur discovered near Jensen, Utah.

DR. W. A. OSBORNE, professor of physiology at the University of Melbourne, has returned to Melbourne after a study leave of absence in America and Great Britain.

WILFRED G. PARKINSON, of the Carnegie Institution of Washington, sailed on May 3 en route to Huancayo, Peru, to make observations at the observatory of the department of terrestrial magnetism.

PROFESSOR MARCUS E. JONES, of the University of Utah, whose botanical collection has recently been acquired by Pomona College through the generosity of Miss Ellen Scripps, of La Jolla, has arrived in Claremont. He will make this his residence and will cooperate with Dr. Philip A. Munz in the arrangement of the herbarium.

DR. EDGAR F. SMITH will give the commencement address at the University of Kansas. He will also address the Arkansas section of the American Chemical Society on July 12.

ON May 11, Professor F. R. Moulton, of the University of Chicago, was the guest of the mathematics department and the Sigma Xi and the Pi Mu Epsilon honorary fraternities of the Ohio State University. After the dinner, he gave a public address on "Some rambles in space and time."

DR. CARL L. ALSBERG, director of the Food Research Institute, Stanford University, San Francisco, delivered a lecture on "Economic aspects of our food supply" before the School of Hygiene and Public Health of the Johns Hopkins University on April 16.

DR. JAMES E. ACKERT, of the Kansas State Agricultural College, delivered the annual Phi Kappa Phi address at the Oklahoma Agricultural and Mechanical College on May 22. The subject of his address was "The relation of the hookworm to medical and agricultural education."

PROFESSOR CHARLES T. KNIPP, of the department of physics of the University of Illinois, addressed on May 18 the annual meeting of the Indiana Physics Teachers' Club, held under the auspices of Rose Polytechnic Institute and the Indiana State Normal School, on "The historical development of the three electrode vacuum tube."

A SPECIAL meeting of the Linnean Society of London was held on May 10, when Professor Paul Kammerer, of Vienna, lectured on his experiments concerning "The inheritance of acquired characters."

THE Croonian lectures before the Royal College of Physicians of London will be given by Professor J. B. Leathes, F.R.S., on the subject of the part played by fats in vital phenomena. There will be four lectures, which will begin on June 7.

DR. HANS GOLDSCHMIDT, German chemist and inventor of the thermit process of welding iron and steel, died in Baden-Baden, Germany, on May 20.

THE trustees of the National Geographic Society have authorized a tablet at Camp Clay, Cape Sabine, in the Arctic, in memory of the eighteen men of the Greely expedition who died there in 1884. Major General A. W. Greely, retired, dean of living Arctic explorers and leader of the party, now lives in Washington. The tablet is one of a series the Geographic Society will place as memorials to Americans who have made history in Polar explorations. Memorials to Rear Admiral Peary, discoverer of the North Pole, and to Rear Admiral Charles Wilkes, discoverer of the Antarctic continent, have already been erected in Arlington National Cemetery, Washington. The tablet to the Greely party will be carried by Donald B. MacMillan when he starts north in June for further explorations of the Arctic and it will be placed in position by him on the rock cliff facing the camp.

DURING the exposition to illustrate the advances in science due to Pasteur's discoveries, which will follow the unveiling of the Pasteur monument at Strasbourg on June 1, medical and scientific congresses will be held as follows: June 1, Hygiene and bacteriology; June 2, Tuberculosis; June 11, Ophthalmology; July 23, Cancer; July 24, Dermatology and syphilology, and July 26, Leprosy.

THE Congress of Intellectual Workers, which was to have taken place at Berne on July 6 and 7, has been postponed.

THE sixth congress of the International Surgical Association will be held in London from July 17 to 20, under the chairmanship of Sir William Macewen.

THE Clinical Surgical Society of America will hold its thirty-sixth annual meeting at Washington University School of Medicine on

May 28 and at the clinic of Dr. Willard Bartlett at the Missouri Baptist Sanitarium May 29. Papers by local surgeons will be delivered on recent advances on thoracic and cardiac surgery, X-ray therapy and kindred subjects.

UNIVERSITY AND EDUCATIONAL NOTES

HALF a million dollars has been appropriated by the New York State legislature to start work on a new plant industries building for the College of Agriculture at Ithaca. A few years ago the state adopted a program that called for the expenditure of \$3,000,000 and the college has been empowered to proceed in a building plan in accordance with this appropriation, though it may not expend more than the amount made available in any one year.

THE residue of the estate of the late George E. Hoadley, of Trinity College, is to be divided equally between Trinity College and the Connecticut Historical Society. Each institution will receive about \$200,000.

PROFESSOR W. A. HAMILTON has been appointed chairman of the administrative interim committee of Beloit College, until a president of the college is appointed to succeed President M. A. Brannon, who was recently made chancellor of the University of Montana. Professor H. H. Conwell has been appointed acting head of the department of mathematics.

DR. DAVID FRIDAY, president of the Michigan Agricultural College, has presented his resignation to become effective on June 1. The State Board of Agriculture accepted the resignation over the protest of Governor Groesbeck. Dr. Friday has accepted a professorship of economics at the new school for Social Research in New York City.

DR. BRADLEY STOUGHTON, formerly of Columbia University and later secretary of the American Institute of Mining and Metallurgical Engineers, a New York consulting engineer, has been appointed professor of metallurgy at Lehigh University.

DR. HARRY A. CURTIS, government nitrate expert, has accepted an appointment as professor of chemical engineering at Yale University.

At the University of Chicago, Dr. Andrew C.

Ivy, of Loyola University, has been appointed associate professor of physiology and Ernest P. Lane, of the University of Wisconsin, assistant professor of mathematics.

DISCUSSION AND CORRESPONDENCE

DYE SOLUBILITY IN RELATION TO STAINING SOLUTIONS

IN a recent note appearing in these pages¹ attention was called to the fact that different batches of stain may contain very different amounts of actual dye; hence, staining solutions made up according to formulae calling for so many grams of dry stain may vary considerably in their actual strength. For this reason it was recommended in the note above mentioned that solutions of stain be made up by using definite quantities of saturated solution of the stain. In this way it was believed that the resulting solutions would be much more nearly the same strength than when prepared on the basis of weight of the dry stain.

There seems to be no question but that this statement is correct as far as it goes; but since the publication of the above mentioned article a certain serious criticism of the procedure recommended has been brought to our attention. It seems that the solubility of a dye varies considerably according to the amount and kind of mineral matter present in solution. It is well known in the dye industry that many of the dyes may be "salted out" of solution, that is precipitated by the addition of some mineral salt. Now the inert material present in many samples of stain is of a mineral nature and may act in the same way. There is never enough present to prevent the dye itself from going into solution, but there is often enough to lessen its solubility. For this reason two staining solutions made up from a pure and an impure dye, respectively, each containing ten per cent. of a saturated alcoholic solution may vary considerably in their actual dye content. This is not only theoretically true, but practical experience in the handling of stains has shown that it may actually be the case.

On account of this fact it is very plain that

¹ The preparation of staining solutions, *SCIENCE*, 67, January 5, 1923, p. 24.